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APPLICATION NO.	LICATION NO. FILING DATE		FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.		
10/643,555 08/18/2003		08/18/2003	Stephen J. Miller	T-6282	4922		
34014	7590	05/16/2006		EXAM	EXAMINER		
CHEVRO	N TEXA	CO CORPORATIO	SAMPLE, DAVID R				
P.O. BOX 6 SAN RAM(94583-0806	ART UNIT	PAPER NUMBER			
,				1755			
				DATE MAILED: 05/16/2006			

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary			ation No.	Applicant(s)					
			,555	MILLER ET AL.					
			ner	Art Unit					
		David S		1755					
- Period fo	 The MAILING DATE of this communication Reply 	appears on	the cover sheet with the c	orrespondence ad	ldress				
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).									
Status									
1)[🛛	Responsive to communication(s) filed on 1	3 March 200	96 .						
,	This action is FINAL . 2b)⊠ This action is non-final.								
· <u></u>									
	closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.								
Dispositio	on of Claims								
5)	 4) Claim(s) 1-23 is/are pending in the application. 4a) Of the above claim(s) 20-23 is/are withdrawn from consideration. 5) Claim(s) is/are allowed. 6) Claim(s) 1-4 and 7-19 is/are rejected. 7) Claim(s) 5 and 6 is/are objected to. 8) Claim(s) are subject to restriction and/or election requirement. 								
Application	on Papers								
9) The specification is objected to by the Examiner.									
10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.									
,	Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).								
1	Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).								
11)[T	11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.								
Priority u	nder 35 U.S.C. § 119								
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 									
Attachment('s)								
1) Notice 2) Notice Notice 3) Inform	of References Cited (PTO-892) of Draftsperson's Patent Drawing Review (PTO-948) ation Disclosure Statement(s) (PTO-1449 or PTO/SB No(s)/Mail Date	08)	4) Interview Summary (Paper No(s)/Mail Da 5) Notice of Informal Pa	te	D-152)				

DETAILED ACTION

Any rejections and/or objections, made in the previous Office Action, and not repeated below, are hereby withdrawn.

The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

Claim Rejections - 35 USC § 102

Claims 1-4, and 7-10 are rejected under 35 U.S.C. 102(b) as being anticipated by Verduijn et al. (US 2002/0082460 A).

Verduijn et al. discloses a method of making a silicon containing zeolite in which the zeolite is washed until the wash water has a conductivity of 25 μ S/cm or 50 μ m/cm (i.e., 25 mohs/cm or 50 mohs/cm). See Example 1, paragraph [0113]; Example 2, paragraph [0123]; Example 4, paragraph [0137]; and Example 5, paragraph [0144].

The recitations of instant claim 9 can be found in the reference at col. page 10, paragraph [0013].

The recitations of instant claim 10 can be found in the reference in paragraphs [0079] to [0081].

The reference does not disclose that the resultant zeolite is "free of surface remnants." However, the reference discloses a process that is indistinguishable from the presently claimed process. Since the process is the same, the product is the same. Accordingly, the zeolite of the reference is presumed to inherently be "free of surface remnants."

Claim Rejections - 35 USC § 103

Claims 11-19 are rejected under 35 U.S.C. 103(a) as being unpatentable over Kulkarni et al. in view of Verduijn et al. (US 2002/0082460).

Kulkarni et al. (US 6,508,860) discloses a mixed matrix membrane comprising particles of a treated molecular sieve dispersed in a continuous phase consisting essentially of a matrix polymer (column 2, lines 35-40). The molecular sieve may be silanated (column 10, lines 40-60). Suitable molecular sieves include SSZ-13, which may be first treated by cation exchange to remove sodium therefrom (column 6, lines 20-65). The reference teaches that the membrane is formed by dissolving the polymer in a suitable solvent, followed by dispersing the silanated molecular sieve in the resulting- polymer solution (column 13, lines 35-45). The membrane is then heated to remove the solvent, resulting in a mixed matrix membrane (column 13, lines 45-65). The reference does not disclose that the molecular sieve is water washed, until filtrate having the claimed conductivity is obtained.

As noted above, Verduijn et al. discloses a catalyst composition comprising a silicon-containing zeolite that is water washed to a wash water conductivity of 25 μ S/cm, and the zeolite may be silanated.

It would have been obvious to one having ordinary skill in the art at the time the invention was made to have employed the zeolite of Verduijn et al. in the method of Kulkarni et al. because Kulkarni et al. discloses employing silanated zeolites in membranes, and Verduijn et al. discloses silanated zeolites.

Response to Arguments

Applicant's arguments with respect to claims 1-4 and 7-19 have been considered but are moot in view of the new ground(s) of rejection.

Allowable Subject Matter

Claim 5 and 6 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to David Sample whose telephone number is (571)272-1376. The examiner can normally be reached on Monday to Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jerry Lorengo can be reached on (572)272-1233. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Application/Control Number: 10/643,555 Page 5

Art Unit: 1755

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

David Sample Primary Examiner
Art Unit 1755